PE7216/PE7324/PE7328
ECO PDU

As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units (eco PDUs) to effectively increase the efficiency of data center power usage. The NRGence PE7216 / PE7324 /PE7328 eco PDUs are intelligent PDUs that contain 16, 24, or 28 AC outlets and are available in various IEC socket configurations.

NRGence eco PDUs provide secure, centralized, intelligent, power management (power on, off, cycle) of data center IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, etc.), as well as the ability to monitor the center's health environment via sensors.

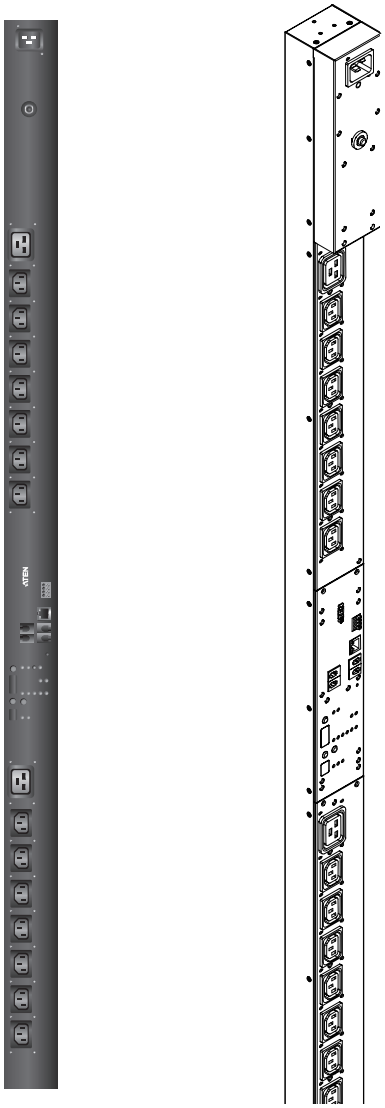
NRGence eco PDUs offer remote power control combined with real-time power measurement – allowing you to control and monitor the power status of devices attached to the PDUs, either at the PDU device, bank, or outlet level, depending on the model, from practically any location via a TCP/IP connection.

NRGence eco PDU supports any 3rd party V3 SNMP Manager Software and NRGence eco Sensors (eco PDU Manager Software). eco Sensors provides you with an easy method for managing multiple devices, offering an intuitive and user-friendly Graphical User Interface that allows you to configure a PDU device and monitor power status of the equipment connected to it.

With its advanced security features and ease of operation, the eco PDU is the most convenient, most reliable, and most cost effective way to remotely manage power access for multiple computer installations and allocate power resources in the most efficient way possible.

PE7216B
ECO PDU

Description:	100-240V 20A 0U 16-Outlet PDU
Function:	16-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 6-20P
Power Capacity:	4.2 kW
Socket Configuration:	IEC 60320 C19 (2) IEC 60320 C13 (14)



Features

Connections

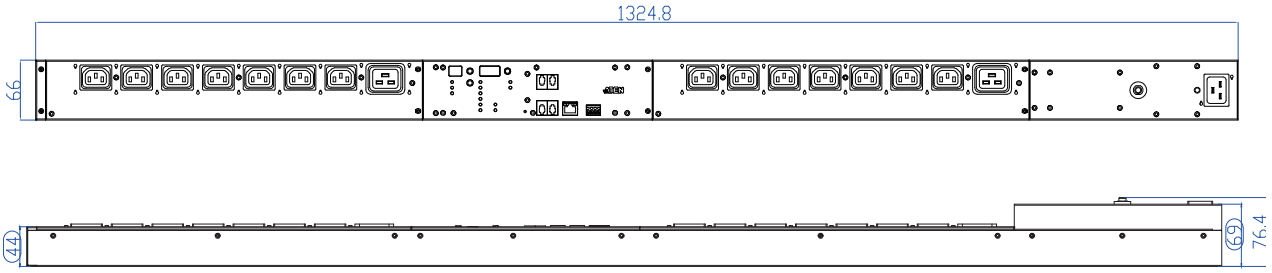
- Supports 10/100Mbit Ethernet Interface
- Supports TCP/IP, UDP, HTTP, HTTPS, SSL, DCHP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2&V3
- Supports three-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
- Supports, eco Sensors, multiple Browsers (IE, Firefox, Chrome, Safari)

Metering

- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control

- Always On



Specifications

Model	PE7216B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	20A Max ; 16A (UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 6-20P
Input Power	4160 VA(Max) 3328 VA (UL de-rated)
Outlet Type	Total : 14 x IEC320 C13 + 2 x IEC320 C19 Ban1-1 : Outlet 1 – 8 ; 7 x C13 + 1 x C19 Bank1-2 : Outlet 9 – 16 ; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A (Max) 12A(UL de-rated) C19 : 20A (Max) 16A(UL de-rated)
Maximum Output Current (Bank)	20A(Max) 16A (UL de-rated)
Maximum Output Current (Total)	20A(Max) 16A (UL de-rated)
Breakers	1 x 20A Non-Fuse breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	None
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	132.5 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	142 x 16 x 17 cm
Weight/Shipping Weight	3.7 / 7.7 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 50℃ / -20 – 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC Part 15 Class A, Others by Reuest
Safety Verification	TUV-CB, Others by Reuest

Package Contents

1. PE7216B
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)
5. Power Cord

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

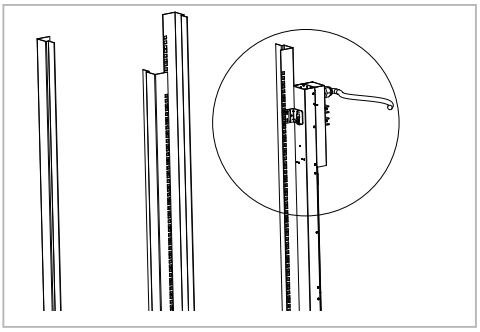
Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

Mounting Kit

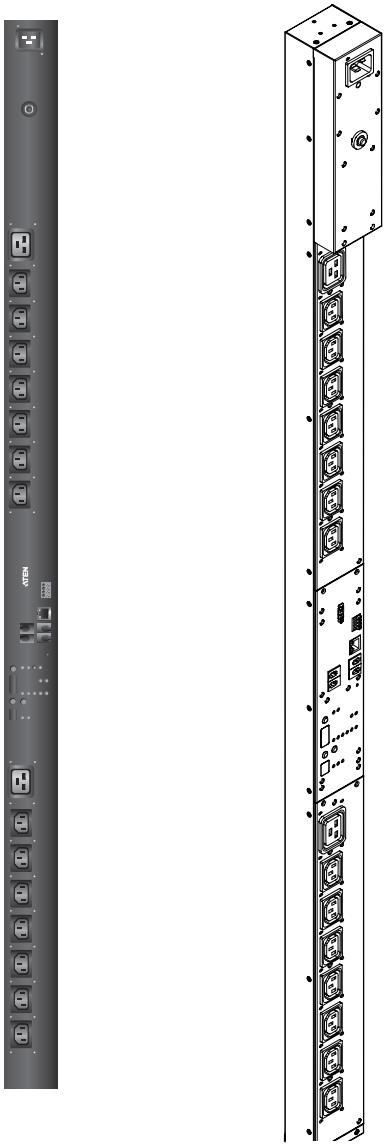
Button Mount Kit (2X-017G)

• Button Mount Installation



PE7216G
ECO PDU

Description:	100-240V 16A 0U 16-Outlet PDU
Function:	16-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	IEC 60320 C20
Power Capacity:	3.7 kW
Socket Configuration:	IEC 60320 C19 (2) IEC 60320 C13 (14)

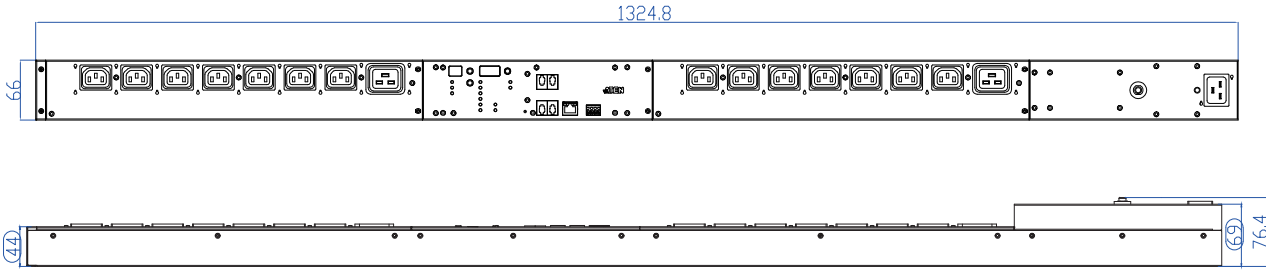


Features

Connections
- Supports 10/100Mbit Ethernet Interface
- Supports TCP/IP, UDP, HTTP, HTTPS, SSL, DCHP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2&V3
- Supports three-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
- Supports, eco Sensors, multiple Browsers (IE, Firefox, Chrome, Safari)

Metering
- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control
- Always On



Specifications

Model	PE7216G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	16A Max
Input Frequency	50-60 Hz
Input Connection	1 x IEC60320 C20
Input Power	3680 VA(Max)
Outlet Type	Total : 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1 : Outlet 1 – 8 ; 7 x C13 + 1 x C19 Bank1-2 : Outlet 9 – 16 ; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A (Max) C19 : 16A (Max), TUV De-rated 15A(Max)
Maximum Output Current (Bank)	16A(Max), TUV De-rated 15A(Max)
Maximum Output Current (Total)	16A(Max). TUV De-rated 15A(Max)
Breakers	1 x 16A Non-Fuse breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	None
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	132.5 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	142 x 16 x 17 cm
Weight/Shipping Weight	3.7 / 7.7 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

Package Contents

1. PE7216G
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)
5. Power Cord

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

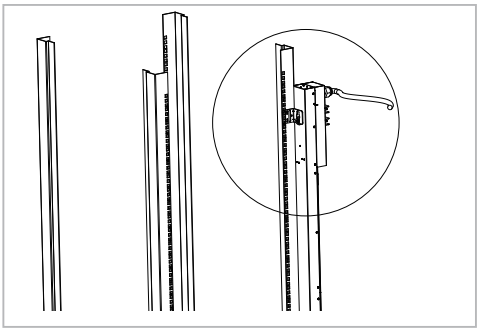
Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

Mounting Kit

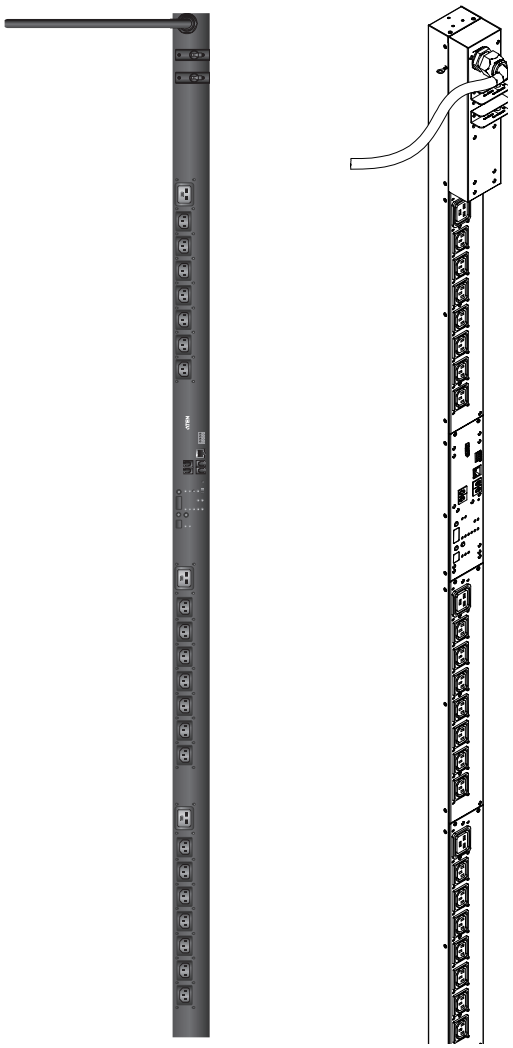
Button Mount Kit (2X-017G)

• Button Mount Installation



PE7324B
ECO PDU

Description:	100-240V 30A 0U 24-Outlet PDU
Function:	24-Outlet Metering, 0-Outlet Switching Control & 2-Bank Metering
Input Power Plug:	NEMA L6-30P
Power Capacity:	6.2 kW
Socket Configuration:	IEC 60320 C19 (3) IEC 60320 C13 (21)

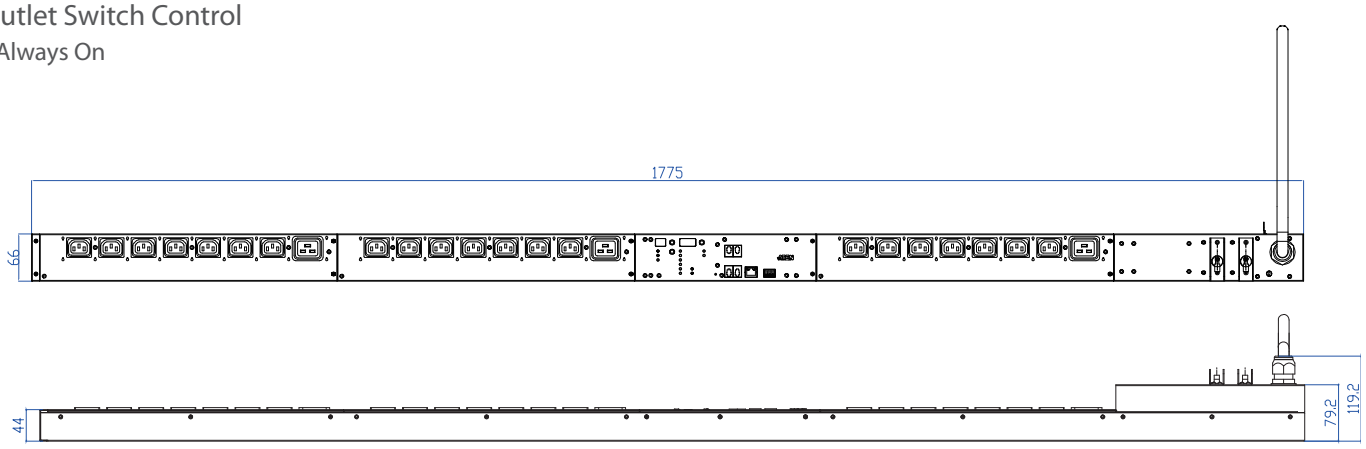


Features

Connections
- Supports 10/100Mbit Ethernet Interface
- Supports TCP/IP, UDP, HTTP, HTTPS, SSL, DCHP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2&V3
- Supports three-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
- Supports, eco Sensors, multiple Browsers (IE, Firefox, Chrome, Safari)

Metering
- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control
- Always On



Specifications

Model	PE7324B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A Max ; 24A (UL de-rated)
Input Frequency	50-60 Hz
Input Connection	NEMA L6-30P
Input Power	6240 VA(Max) 4992 VA (UL de-rated)
Outlet Type	Total : 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1 : Outlet 1 – 8 ; 7 x C13 + 1 x C19 Bank1-2 : Outlet 9 – 16 ; 7 x C13 + 1 x C19 Bank2 : Outlet 17 – 24 ; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A (Max) 12A(UL de-rated) C19 : 15A (Max) 12A(UL de-rated)
Maximum Output Current (Bank)	15A(Max) 12A (UL de-rated)
Maximum Output Current (Total)	30A(Max) 24A (UL de-rated)
Breakers	2 x 16A UL489 Breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	None
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	177.5 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	189 x 21 x 17 cm
Weight/Shipping Weight	6.5 / 10.5 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC Part 15 Class A, Others by Reuest
Safety Verification	TUV-CB, Others by Reuest

Package Contents

1. PE7324B
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

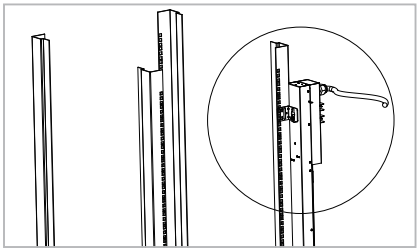
Mounting Kit

Slide Rail Kit (2X-016G)

Button Mount Kit (2X-017G)

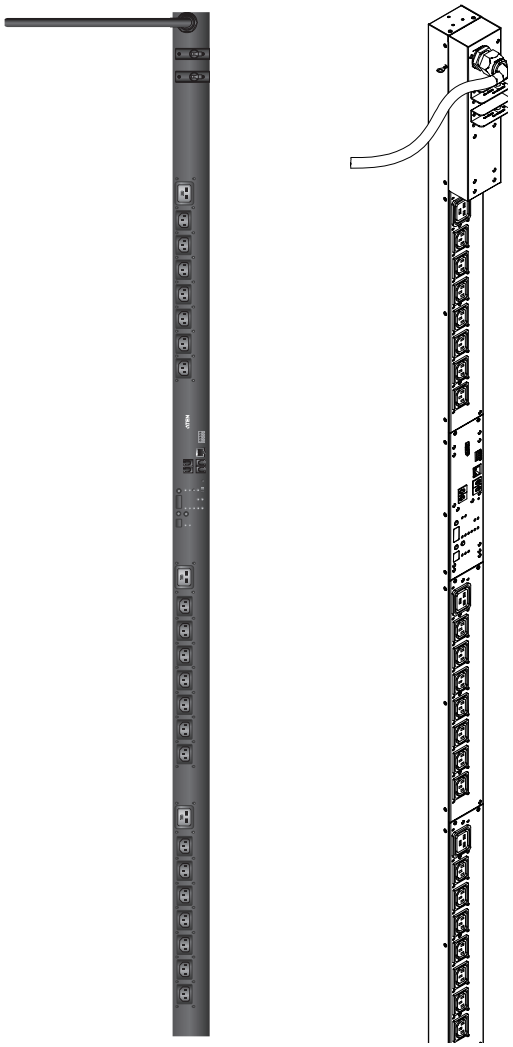
• Side Mount Installation

• Button Mount Installation



PE7324G
ECO PDU

Description:	100-240V 32A 0U 24-Outlet PDU
Function:	24-Outlet Metering, 0-Outlet Switch Control & 2-Bank Metering
Input Power Plug:	IEC 60309 32A
Power Capacity:	7.4 kW
Socket Configuration:	IEC 60320 C19 (3) IEC 60320 C13 (21)

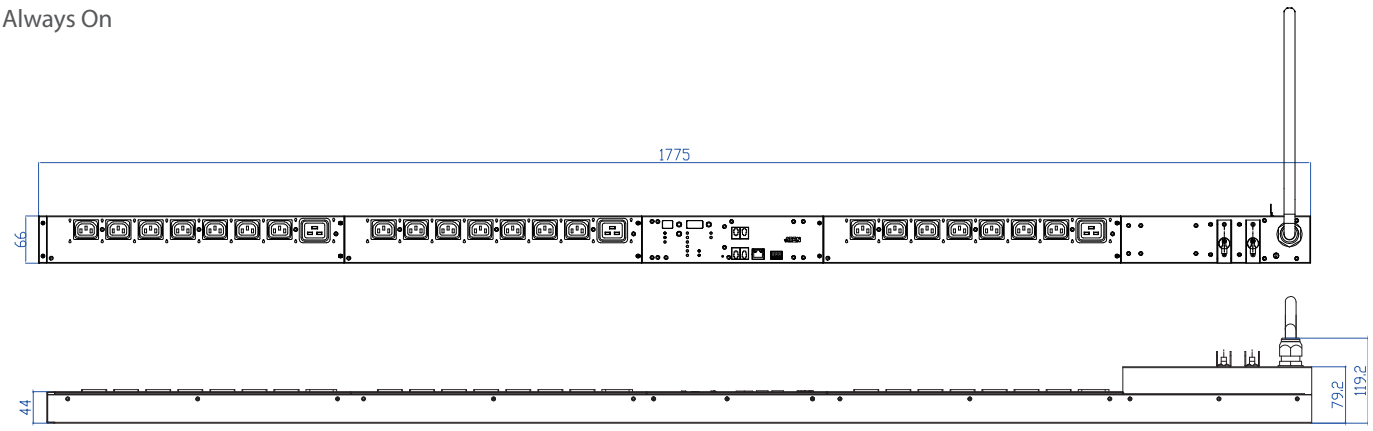


Features

Connections
- Supports 10/100Mbit Ethernet Interface
- Supports TCP/IP, UDP, HTTP, HTTPS, SSL, DCHP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2&V3
- Supports three-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
- Supports, eco Sensors, multiple Browsers (IE, Firefox, Chrome, Safari)

Metering
- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control
- Always On



Specifications

Model	PE7324G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	32A Max
Input Frequency	50-60 Hz
Input Connection	IEC 60309 32A
Input Power	7360 VA(Max)
Outlet Type	Total : 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1 : Outlet 1 – 8 ; 7 x C13 + 1 x C19 Bank1-2 : Outlet 9 – 16 ; 7 x C13 + 1 x C19 Bank2 : Outlet 17 – 24 ; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A (Max) C19 : 16A (Max), TUV De-rated 15A(Max)
Maximum Output Current (Bank)	16A(Max), TUV De-rated 15A(Max)
Maximum Output Current (Total)	32A(Max), TUV De-rated 30A(Max)
Breakers	2 x 16A UL489 Breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	None
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	177.5 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	189 x 21 x 17 cm
Weight/Shipping Weight	6.2 / 10.2 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

Package Contents

1. PE7324G
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

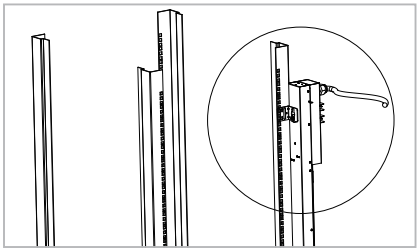
Mounting Kit

Slide Rail Kit (2X-016G)

Button Mount Kit (2X-017G)

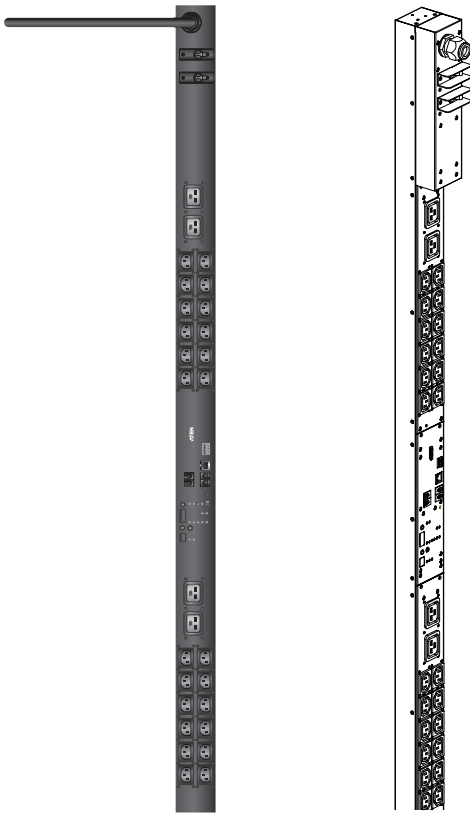
• Side Mount Installation

• Button Mount Installation



PE7328B
ECO PDU

Description:	100-240V 30A 0U 28-Outlet PDU
Function:	28-Outlet Metering, 0-Outlet Switching Control & 2-Bank Metering
Input Power Plug:	NEMA L6-30P
Power Capacity:	6.2 kW
Socket Configuration:	IEC 60320 C19 (4) IEC 60320 C13 (24)

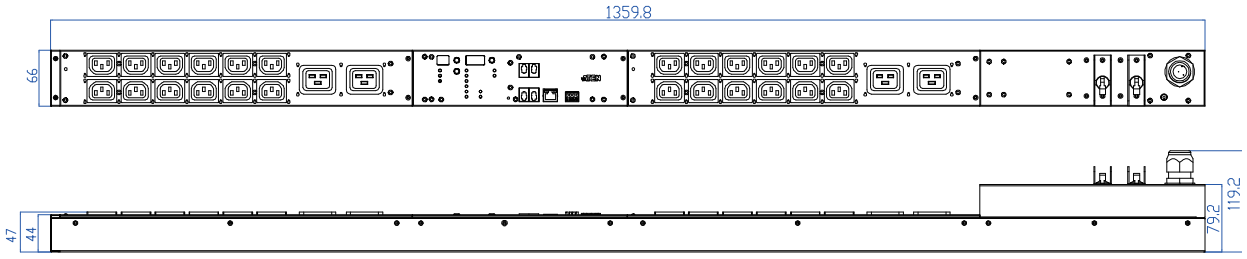


Features

Connections
- Support 10/100Mbit Ethernet Interface
- Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, ARP, NTP, DNS, Auto Sense, Ping, SNMP V1,V2&V3
- Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIOUS
- Support : eco Sensors, Browser (IE, Firefox, Chrome, Safari)

Metering
- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control
- Always On



Specifications

Model	PE7328B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A Max ; 24A (UL de-rated)
Input Frequency	50-60 Hz
Input Connection	NEMA L6-30P
Input Power	6240 VA(Max) 4992 VA (UL de-rated)
Outlet Type	Total : 24 x IEC320 C13 + 4 x IEC320 C19 Bank1 : Outlet 1 – 14 ; 12 x C13 + 2 x C19 Bank2 : Outlet 15 – 28 ; 12 x C13 + 2 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A (Max) 12A(UL de-rated) C19 : 15A (Max) 12A(UL de-rated)
Maximum Output Current (Bank)	15A(Max) 12A (UL de-rated)
Maximum Output Current (Total)	30A(Max) 24A (UL de-rated)
Breakers	2 x 16A UL489 Breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	Yes
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	135.9 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	142 x 16 x 17 cm
Weight/Shipping Weight	4.1 / 7.9 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 50℃ / -20 – 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC Part 15 Class A, Others by Reuest
Safety Verification	TUV-CB, Others by Reuest

Package Contents

1. PE7328B PDU
2. Standard Rack Mount Kit
3. Quick Start Guide
4. Power Cord

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

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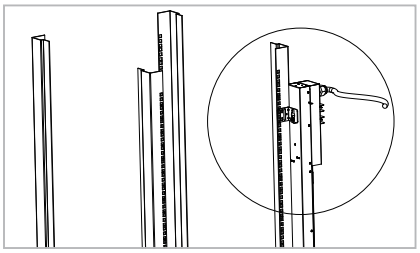
Slide Rail Kit (2X-016G)

Button Mount Kit (2X-017G)

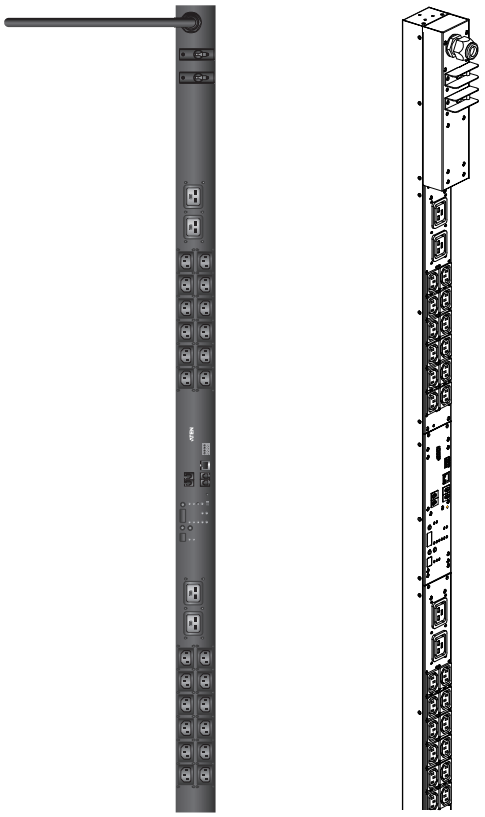
• Side Mount Installation

• Button Mount Installation



PE7328G
ECO PDU

Description:	100-240V 32A 0U 28-Outlet PDU
Function:	28-Outlet Metering, 0-Outlet Switch Control & 2-Bank Metering
Input Power Plug:	IEC 60309 32A
Power Capacity:	7.4 kW
Socket Configuration:	IEC 60320 C19 (4) IEC 60320 C13 (24)

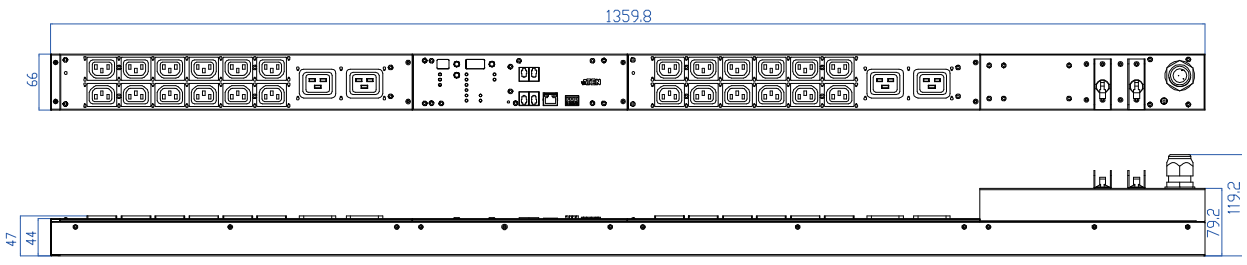


Features

Connections
- Support 10/100Mbit Ethernet Interface
- Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, ARP, NTP, DNS, Auto Sense, Ping, SNMP V1,V2&V3
- Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIOUS
- Support : eco Sensors, Browser (IE, Firefox, Chrome, Safari)

Metering
- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Support door sensor

Outlet Switch Control
- Always On



Specifications

Model	PE7328G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	32A Max
Input Frequency	50-60 Hz
Input Connection	IEC 60309 32A
Input Power	7360 VA(Max)
Outlet Type	Total : 26 x IEC320 C13 + 4 x IEC320 C19 Bank1-1 : Outlet 1 – 14 ; 12 x C13 + 2 x C19 Bank1-2 : Outlet 15 – 22 ; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A (Max) C19 : 16A (Max), TUV De-rated 15A(Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	32A(Max)
Breakers	2 x 16A UL489 Breaker
Metering	Per Outlet Level Current, Voltage, VA, PF, KWh Monitoring
Outlet Switch	None
Environment Sensor Port	4
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ 5000W +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	135.9 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	142 x 16 x 17 cm
Weight/Shipping Weight	4.1 / 7.9 kg
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

Package Contents

1. PE7328G PDU
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature
EA1440	Photo Door Sensor
EA1441	Inductive Proximity Door Sensor

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation

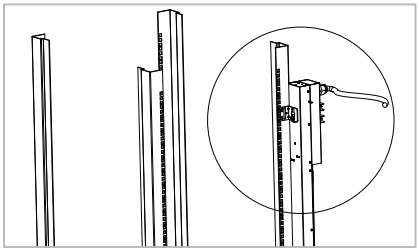
Mounting Kit

Slide Rail Kit (2X-016G)

Button Mount Kit (2X-017G)

• Side Mount Installation

• Button Mount Installation



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